





Shubhankar Kabra

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Education

- **University of Illinois At Urbana-Champaign** **Champaign, Illinois**
B.S. Computer Science and Statistics (GPA: 3.38/4.00) *August 2018 – Dec 2022*
Coursework : Systems Programming, Data Structures and Algorithms, Algorithms and Models of Computation, Computer Architecture, Statistical Analysis, Statistics Programming Methods.
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Work Experience

- PreVeil** **Boston, MA**
Software Development Intern *May 2021 – August 2021*
- Implementing user account recovery functionality through QR codes in a zero-trust system using **Python, PostgreSQL** on the Backend and **Angular, Redux, TypeScript** on the Frontend.
 - Assisting in the re-architecture of the existing Frontend stack from **Angular, Redux** to **React, Redux**.
- CME Group** **Champaign, IL**
Software Engineer Intern *Jan 2020 – August 2020*
- Designed and developed a library to consume streaming data from **Google Cloud Platform** via **Java** through **Google PubSub API**; remained motivated and productive, providing a positive impact on team efficiency.
 - Implemented a testing suite using **Selenium**, **Cucumber**, and **Java** with **99%+** accuracy to automate the testing of pre-existing application and reduced testing time by **90%**.
 - Worked with a team in implementing a fault tolerance library using **UDP networking**, and **JUnit** tests in **Java**.
- Globular Tech** **Amravati, India**
Android Developer Intern *June 2019 – August 2019*
- Worked with a UX/UI designers to develop user-friendly interfaces for client projects using **Java, Android** and **Android Studio**.
 - Integrated the android applications with **REST APIs** to consume data.
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Open-Source

- ClassTranscribe** **April 2021 – Present**
Software Developer
- Actively contributing to a video streaming platform(ClassTranscribe) which provides accessible, searchable lecture videos with captions using automated Speech-to-text and crowdsourcing techniques.
 - Improved live captioning and transcription for the videos on the platform using **React.js, Redux.js, JavaScript**.
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Projects

- **Donero** : Designed, created, marketed and launched a map-based app with over 500 users on the Google Play Store to help homeless people in India get leftover food from households that would throw it out using **Google Maps API, Android**, and **Java**.
 - **OmniCalc** : Developed an android calculator for blind people that can solve polynomial and differential problems with voice commands. Used mXparser library, **Google Voice API, Java, Android**, and **Android Studio**.
 - **Sudoku Solver**: Developed a Sudoku solver using **React.js, JavaScript**.
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Skills

Languages: Python, Java, JavaScript, SQL, PostgreSQL, C++, C, HTML, HTML5, CSS, R
Software/Technologies: React.js, Node.js, Git, Flask, Redux.js, AngularJS, Java SpringBoot, JIRA, Android Studio, Linux, Unix, Selenium, Cucumber, AWS.

Interests

Trading: Avid student of financial markets. Made MT4 bots for trading forex; trading equity options for over 2 years.
Badminton: Learning and playing badminton for over 8 years; competed in professional tournaments.